

IN THE CLAIMS

Please amend claim 1 and add new claims 4-8 , as follows:

a1  
1. (Amended) A color curve control circuit comprising:  
a data input unit, for entering values to change the colors on the screen of a video monitor;  
a microcomputer, for processing color signals corresponding to color temperature using  
stored color temperature values and a color curve control program in order to change the colors on  
the screen according to signals received by the data input unit, and for generating digital color gain  
signals and digital color cutoff signals; and  
a digital to analog converter for converting the digital color gain signals and the digital cutoff  
signals from the microcomputer into analog gain signals and analog cutoff signals.

a2 cont  
--4. The circuit according to claim 1, further comprising:  
a video pre-amplifier for generating amplified red, green and blue video signals by receiving  
red, green and blue video color signals from a computer and amplifying said red, green and blue  
video color signals in response to said analog gain signals;  
an on screen display unit, for generating red, green and blue on-screen display signals  
describing a procedure of transmitting the display values from the data input unit to the  
microcomputer, and changing the colors on the screen using said display values;  
a multiplexer for selectively supplying the amplified red, green and blue video signals and  
the red, green and blue on-screen display signals transmitted by the on screen display unit; and

10 a video main-amplifier for amplifying, in response to said analog cutoff signals, one of the  
11 amplified red, green and blue video signals and the red, green and blue on-screen display signals  
12 selectively supplied by said multiplexer.

1 5. A color curve control circuit comprising:

2 a data input unit for entering temperature information;

3 a microcomputer for generating digital red, green and blue video gain signals and digital red,  
4 green and blue video cutoff signals by converting the temperature information into a digital signal,  
5 and processing color signals corresponding to the temperature information using stored color  
6 temperature data and a color curve control program;

7 a digital to analog converter for converting the digital red, green and blue video gain signals  
8 and the digital red, green and blue video cutoff signals from the microcomputer into analog red,  
9 green and blue video gain signals and analog red, green and blue video cutoff signals;

10 a first amplifier for generating amplified red, green and blue video signals by receiving red,  
11 green and blue video color signals from a computer and amplifying said red, green and blue video  
12 color signals in response to said analog red, green and blue video gain signals; and

13 a second amplifier for generating amplified red, green and blue video display signals, for  
14 display on a color monitor, by receiving the amplified red, green and blue video signals generated  
15 by said first amplifier and amplifying said amplified red, green and blue video signals in response  
16 to said analog red, green and blue video cutoff signals.

1           6.     The color curve control circuit as set forth in claim 5, further comprising:  
2           an on screen display unit, for generating red, green and blue on-screen display signals  
3     describing a procedure for inputting said temperature information; and  
4           a multiplexer for selectively supplying the amplified red, green and blue video signals  
5     generated by said first amplifier and the red, green and blue on-screen display signals transmitted  
6     by the on screen display unit to said second amplifier.

1           7.     The color curve control circuit as set forth in claim 5, wherein the data input unit  
2     comprises:

*az*  
*Concl*  
3           a keypad for selectively controlling said microprocessor to operate in one of an automatic  
4     mode and a manual mode, said temperature information being input by a user via said keypad during  
5     said manual mode; and

6           a temperature sensor for inputting said temperature information by sensing an ambient  
7     temperature of the color monitor during said automatic mode.

1           8.     The color curve control circuit as set forth in claim 7, further comprising:  
2           an on screen display unit, for generating red, green and blue on-screen display signals  
3     describing a procedure for inputting said temperature information during said manual mode; and  
4           a multiplexer for selectively supplying the amplified red, green and blue video signals  
5     generated by said first amplifier and the red, green and blue on-screen display signals transmitted  
6     by the on screen display unit to said second amplifier.--